



SAFETY DATA SHEET

SDS:
PGR0259AB

Cenex® Food & Machinery #2

Issuing Date 07-19-2023

Revision Date 07-19-2023

Revision Number 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name Cenex® Food & Machinery #2

Other means of identification

Product Code(s) PGR0259AB

Synonyms No information available

Recommended use of the chemical and restrictions on use

Identified uses Lubricant

Uses advised against Consumer use

Details of the supplier of the safety data sheet

Manufacturer

CHS Inc.
P.O. Box 64089
Mail Station 525
St. Paul, MN 55164-0089
SDS Information 1-651-355-8445

Emergency Telephone Number

CHEMTREC: 1-800-424-9300 (NORTH AMERICA)
+1-703-527-3887 (INTERNATIONAL)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

Emergency Overview

Signal Word None

Appearance white

Physical state Paste / Gel

Response

None.

SDS:
PGR0259AB

Cenex® Food & Machinery #2

Issuing Date 07-19-2023

Revision Date 07-19-2023

Revision Number 2

Eyes

None.

Skin

None.

Inhalation

None.

Ingestion

None.

Fire

None.

Spill

None.

Storage

None.

Disposal

None.

Hazards not otherwise classified (HNOC)

None

- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	40 - 50
Disodium pyrophosphate	7758-16-9	1 - 5
Aluminum distearate	300-92-5	1 - 5
Butylated Hydroxy Toluene	128-37-0	0.1 - 1
Zinc oxide	1314-13-2	0.1 - 1

The producer of "PGR0259AB" declares that it contains less than 3% DMSO extractable material by IP-346

4. FIRST AID MEASURES

First Aid Measures

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.

Inhalation

Consult a physician. If not breathing, give artificial respiration.

Ingestion

Do NOT induce vomiting. Drink plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms

None known.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

SDS:
PGR0259AB

Cenex® Food & Machinery #2

Issuing Date 07-19-2023

Revision Date 07-19-2023

Revision Number 2

5. FIRE-FIGHTING MEASURES

Flash Point	215 °C - 419 °F
Suitable Extinguishing Media	Water spray, Carbon dioxide (CO2), Foam, Dry chemical
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
Specific Hazards Arising from the Chemical	Thermal decomposition can lead to release of irritating gases and vapors.
Explosion Data	
Sensitivity to Mechanical Impact	Not impact sensitive.
Sensitivity to Static Discharge	May be ignited by friction, heat, sparks or flames.
Protective Equipment and Precautions for Firefighters	Wear self-contained breathing apparatus and protective suit.

NFPA

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Do not touch or walk through spilled material. Remove all sources of ignition.

Environmental Precautions

Environmental Precautions Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

Methods for Cleaning up Use personal protective equipment. Dam up. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. For personal protection see section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible products Strong oxidizing agents. Strong acids. Strong bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SDS:
PGR0259AB

Cenex® Food & Machinery #2

Issuing Date 07-19-2023

Revision Date 07-19-2023

Revision Number 2

Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Petroleum distillates, hydrotreated heavy paraffinic	TWA: 5 mg/m ³	TWA: 5 mg/m ³ (vacated) TWA: 5 mg/m ³	IDLH: 2500 mg/m ³ TWA: 5 mg/m ³ STEL: 10 mg/m ³
Aluminum distearate	TWA: 10 mg/m ³ TWA: 3 mg/m ³		
Butylated Hydroxy Toluene	TWA: 2 mg/m ³	(vacated) TWA: 10 mg/m ³	TWA: 10 mg/m ³
Zinc oxide	STEL 10 mg/m ³ TWA: 2 mg/m ³	TWA: 5 mg/m ³ TWA: 15 mg/m ³ (vacated) TWA: 5 mg/m ³ (vacated) TWA: 10 mg/m ³ (vacated) STEL: 10 mg/m ³	IDLH: 500 mg/m ³ Ceiling: 15 mg/m ³ TWA: 5 mg/m ³ STEL: 10 mg/m ³

Appropriate engineering controls

Engineering Measures

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Eye protection not needed during typical product use conditions. Wear eye protection as appropriate when handling the bulk formulation.

Skin and Body Protection

Long sleeved clothing. Protective gloves.

Respiratory Protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Paste / Gel
Appearance	white
Odor	Hydrocarbon-like
Odor threshold	No information available

Property

6 - 8

Values

Melting Point / Freezing Point	No data available
Boiling Point/Range	no data available
Flash Point	215 °C / 419 °F
Upper flammability limit:	No data available
Lower Flammability Limit	No data available
Vapor pressure	No data available
Vapor Density	< 1 (Air = 1)
Specific Gravity	0.95

SDS:
PGR0259AB

Cenex® Food & Machinery #2

Issuing Date 07-19-2023

Revision Date 07-19-2023

Revision Number 2

Water solubility	negligible
Partition Coefficient: n-octanol/water	no data available
Autoignition Temperature	No data available
Hyphen	-
Viscosity, kinematic	100 cSt @ 40°C

10. STABILITY AND REACTIVITY

reactivity No information available

Chemical stability Stable under recommended storage conditions

Possibility of Hazardous Reactions None under normal processing

Conditions to Avoid Heat, flames and sparks Contact with other chemicals

Incompatible Materials Strong oxidizing agents. Strong acids. Strong bases.

Hazardous Decomposition Products Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke)

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information Product does not present an acute toxicity hazard based on known or supplied information

Inhalation May cause irritation of respiratory tract.

Eye Contact Contact with eyes may cause irritation.

Skin Contact May cause irritation.

Ingestion There is no data available for this product.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	> 15 g/kg (Rat) > 24 g/kg (Rat)	> 5000 mg/kg (Rabbit)	= 2062 ppm (Rat) 4 h
Disodium pyrophosphate 7758-16-9	= 1800 mg/kg (Rat)	-	> 0.58 mg/L (Rat) 4 h
Butylated Hydroxy Toluene 128-37-0	> 2930 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Zinc oxide 1314-13-2	> 5000 mg/kg (Rat)	-	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

The producer of "PGR0259AB" declares that it contains less than 3% DMSO extractable material by IP-346

Sensitization No information available.

SDS:
PGR0259AB

Cenex® Food & Machinery #2

Issuing Date 07-19-2023

Revision Date 07-19-2023

Revision Number 2

Mutagenic Effects No information available.

Carcinogenicity No information available.

ACGIH (American Conference of Governmental Industrial Hygienists)
 A2 - Suspected Human Carcinogen
 A3 - Animal Carcinogen
 NTP (National Toxicology Program)
 Known - Known Carcinogen
 Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
 OSHA (Occupational Safety and Health Administration of the US Department of Labor)
 X - Present

Reproductive toxicity No information available.

Target organ effects Respiratory system, Eyes, Skin.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 56700 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity None known

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7		LC50> 5000 mg/L Oncorhynchus mykiss 96 h		EC50 > 1000 mg/L 48 h
Butylated Hydroxy Toluene 128-37-0	EC50 = 6 mg/L 72 h EC50 > 0.42 mg/L 72 h			
Zinc oxide 1314-13-2		LC50= 1.55 mg/L Danio rerio 96 h		

Persistence and Degradability No information available.

Bioaccumulation No information available.

Mobility The product is insoluble and floats on water.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Methods Dispose of in accordance with local regulations

Contaminated Packaging Do not re-use empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal

This product contains one or more substances that are listed with the State of California as a hazardous waste

California Hazardous Waste Codes 221

Chemical name	California Hazardous Waste Status
Zinc oxide 1314-13-2	Toxic

SDS:
PGR0259AB

Cenex® Food & Machinery #2

Issuing Date 07-19-2023

Revision Date 07-19-2023

Revision Number 2

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Not determined
NDSL	Not determined
EINECS	Not determined
ELINCS	Not determined
ENCS	Not determined
IECSC	Complies
KECL	Not determined
PICCS	Not determined
AICS	Complies

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	SARA 313 - Threshold Values %
Zinc oxide 1314-13-2	1.0

EPCRA: Emergency Planning and Community Right-to-Know Act

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances

SDS:
PGR0259AB

Cenex® Food & Machinery #2

Issuing Date 07-19-2023

Revision Date 07-19-2023

Revision Number 2

Zinc oxide 1314-13-2		X		
-------------------------	--	---	--	--

CERCLA

This material does not contain any components with a CERCLA RQ.

U.S. State Right-to-Know Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7		X	X
Butylated Hydroxy Toluene 128-37-0	X	X	X
Zinc oxide 1314-13-2	X	X	X
Methyl alcohol 67-56-1	X	X	X

NFPA

16. OTHER INFORMATION

Issuing Date 07-19-2023
Revision Date 07-19-2023
Reason for revision Initial Release.

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet